

## Magic FoamCord Gingival Retraction System (Project 05-24) (12/05)

Magic FoamCord is a new non-hemostatic gingival retraction system by Coltène/Whaledent. Magic FoamCord is reportedly the first expanding vinyl polysiloxane material designed for retraction of the gingival sulcus without the potentially traumatic and time-consuming packing of retraction cord. Magic FoamCord material is syringed around the crown preparation margins and a cap (Comprecap) is placed to reportedly maintain pressure. After five minutes, the cap and foam are removed and the tooth is ready for the final impression.



### Manufacturer:

Coltène/Whaledent Inc.  
235 Ascot Parkway  
Cuyahoga Falls, OH 44223-3701  
(800) 221-3046  
(330) 916-8800  
(330) 916-7077 FAX  
[www.coltenewhaledent.com](http://www.coltenewhaledent.com)



### Suggested Retail Price:

\$151.64 Intro Kit (item number 6735) contains:

- two 50-mL cartridges of FoamCord material
- 30 mixing and intraoral tips
- 30 Comprecaps in three sizes (#1, #3, #5)

### Government Price:

\$83.40 Intro Kit (item number and contents as listed above)

### ADVANTAGES:

- + Less traumatic to tissues than retraction cord
- + Color of foam makes it easy to see during use
- + Easy to remove material from preparation and sulcus
- + Adequate working time
- + Lot number and expiration date provided on foam cartridges

### DISADVANTAGES:

- Limited clinical indications
- No hemostasis provided
- Relatively expensive compared with retraction cord
- No improvement in speed or quality of retraction compared with cord
- Less effective on subgingival margins
- Intraoral tips may be too large to adequately inject material into sulcus

### SUMMARY AND CONCLUSIONS:

Magic FoamCord is an expanding vinyl polysiloxane material designed for retraction of the gingival sulcus without retraction cord. The product's packaging, written instruction, and dispensing system was rated highly. The color and consistency of the foam made it easy to verify placement and removal. Most users did not find that Magic FoamCord was faster than their usual technique of placing retraction cord. When asked to rate the quality of retraction, most providers stated that Magic FoamCord was less effective than their usual technique, especially with subgingival margins. However, one evaluator felt the foam retraction was less traumatic. Hemostasis must be established prior to the use of Magic FoamCord, significantly reducing its clinical efficiency. Most clinical evaluators rated Magic FoamCord as "fair" to "poor" overall and would not purchase it for use in their clinic. **Magic FoamCord** is rated **Marginal** for use in US Air Force dental facilities.